

KanexPro®

50M 4K 18Gbps HDMI Extender

The extender offers the most convenient solution for HDMI extension over a single Cat5e/6 with long distance capability and is the perfect solution for any application.

MPN: EXT-50M18G



The KanexPro EXT-50M18G extender is a compact 4K /60Hz transmitter - receiver set designed to extend UHD 4K signals from your HDMI source device to a 4K display remotely located 164 feet away. For dynamic range and wide color range (gamut) HDR and 4:4:4 Chroma color sampling are one of the key features of these extenders. Featuring an HDMI loop-out, the transmitter unit supports a second local display.

Industry Standard HDCP 2.2 & 4K/60Hz

HDCP 2.2 authentication is present always on this matrix ensuring proper handshake of the protected content. It also maintains resolutions up to full UHD 4K/60 which is compatible with almost all displays in the market today.

Applications:

Ideal for use in digital signage applications, healthcare AV, control rooms, educational facilities, airports, commanding centers and smart homes.

TOP PERFORMANCE

The extender kit includes two units: transmitter unit and receiver unit. The transmitter unit is responsible for capturing HDMI input signal and carries the signal via one cost effective Cat6 cable and emitting IR control signals. The receiver unit is responsible for receiving the HDMI signal and transmitting IR control signal. Providing four times the picture quality of high-definition (1080p). The extender supports HDMI 2.0 capabilities, offering 4:4:4 chroma subsampling. This ensures a crystal-clear picture that's ideal for delivering video content.

- 1. Residential installations:** Great when you need to share a satellite box or DVR with a display in another room or space. Can also be used to protect equipment from the elements for outdoor entertainment spaces by allowing for sources to be installed away from the display.
- 2. Educational Environments:** Can be used to extend a computer connection to a digital projector or a second screen mirroring a teacher's computer. Also, great to be used in auditoriums or front of offices to display notices or schedules.
- 3. Digital Signage:** Ideally used for various forms of digital signage displays and drive through menus. Set up advertisements behind a point of sale or display marketing materials on the other end of the retail space.

FEATURES

- Ultra Slim 164ft. (50m) HDMI extender
- HDMI loop-out
- Extend up to 50m for 4K/60 video w/ 4:4:4 Chroma
- HDR (High Dynamic Range) & Wider color gamut support
- Bi-directional IR, RS-232
- HDCP 2.2 and EDID compliant
- Dolby TrueHD & DTS Master Audio ready
- Compact design for easy and flexible installation

SPECIFICATIONS

HDMI Compliance:	HDMI 2.0
HDCP Compliance:	HDCP 2.2 / HDCP 1.4
Video Bandwidth:	18Gbps
Video Resolution:	Up to 4K60Hz 4:4:4
Color Space:	RGB / YCbCr 4:4:4, YCbCr 4:2:2/4:2:0, YUV 4:4:4
Color Depth:	8/10/12-bit (1080P60Hz,4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4)
HDMI Audio Formats:	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X

ESD Protection Human body model: 3 8kV (Air-gap discharge) & 3 4kV (Contact discharge)

Transmitter Inputs:
1x HDMI Type A [19-pin female]
1x SERVICE [Micro USB, Update port]

Transmitter Outputs:
1x HDMI Type A [19-pin female]
1x IR OUT [3.5mm Stereo Mini-jack]
1x CAT OUT [RJ45, 8-pin female]

Receiver Inputs:
1x IR IN [3.5mm Stereo Mini-jack]
1x CAT IN [RJ45, 8-pin female]

1x SERVICE [Micro USB, Update port]

Receiver Outputs:
1x HDMI Type A [19-pin female]

Mechanical

Housing: Metal Enclosure

Color: Black

Dimensions: Transmitter / Receiver:
61mm [W] x 88mm [D] x 18mm [H]

Weight Transmitter: 160g, Receiver: 155g

Power Supply Input: AC 100 - 240V 50/60Hz

Output: DC 12V/1A

Power Consumption: 3.84 W

Operating Temperature: 32 - 104°F / 0 - 40°C

Storage Temperature: -4 - 140°F / -20 - 60°C

Relative Humidity: 20 - 90% RH (no condensation)

Resolution / Distance:
4K60 - Feet / Meters
4K30 / 1080P - Feet / Meters
CAT5e 164ft / 50M 164ft / 50M
CAT6/6a/7 197ft / 60M 230ft / 70M

The use of "Premium High-Speed HDMI" cable is highly recommended.

APPLICATION DIAGRAM

